TENNESSEE STATE BOARD OF EDUCATION

| **EDUCATION TECHNOLOGY LONG-RANGE PLAN** | **3.204** |

The technology plan establishes six goals, identifies strategies to achieve the goals and notes measures of progress toward the goals. The plan lays out what must be addressed to utilize technology to improve education. It provides direction, a basis for monitoring progress and a basis for determining needed adjustments.

Goal I: Student Learning —Use technology to improve student learning by providing each student and teacher access to appropriate instructional technology.[1]

Strategies:

    I.1   Use technology to promote active learning and individualize instruction

    I.2   Provide greater options and independence by ensuring access to assisted technology for students with disabilities.

    I.3   Develop criteria for evaluating impact of technology on teaching and learning.

Measures:

- Improved student learning.

- Level of funding for technology.

Goal II: Curriculum and Instruction —Intergrate technology with curriculum and instruction to improve teaching and learning.

Strategies:

    II.1   Ensure coordination between state technology initiatives and state curriculum initiatives.

    II.2   Utilize a clearinghouse of exemplary classroom practices and showcase them.

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[1] Tenn. Code Ann. § 49-1-212; § 49-6-1010 ; SBE Rule 0520-1-3-.05(i).

II.3   Promote and fund classroom technology programs that are clearly innovative.

II.4   Use technology to coordinate and articulate K-12 instruction with higher education institutions, business and other agencies.

II.5   Encourage local education partnerships with business and other agencies to provide improved instruction.

Measures:

- Clearinghouse use.

- Number and quality of innovative programs funded.

- Number and quality of business and education partnerships that increase technology access and use.

- Number and quality of joint curriculum and technology initiatives.

Goal III: Connecting Students and Teachers —Use technology to connect students and teachers to learning opportunities outside the classroom through the Internet and distance learning.

Strategies:

III.1   Develop statewide networking capabilities for access to information.

III.2   Provide network training and local accessibility to the statewide information network.

III.3   Provide technical guidelines for computer networking in every school.

III.4   Require school systems to adopt appropriate use guidelines for student access to electronic media.

III.5   Use the Internet to improve classroom instruction.

III.6   Develop local instructional applications that can be shared via networks.

Measures:

- Student access to technology.

- Number of schools with access to the Internet and the State network.

- Number of network training opportunities and number of participants.

- Number of local instructional applications shared through networks.

Goal IV: Teacher Preparation and Professional Development —Increase instructional technology training in teacher preparation and professional development programs consistent with Teacher Education Policy.

Strategies:

IV.1   Ensure that teacher education institutions prepare teachers using the instructional technology knowledge and skills in the Board's Teacher Education Policy.

IV.2   Provide professional development for teachers, administrators and technology coordinators.

IV.3   Encourage teachers to take coursework in technology for the purpose of licensure renewal.

IV.4   Promote the establishment of school system and higher education partnerships for technology training, as well as other contracted arrangements.

IV.5   Encourage the development of regional centers for classroom technology training.

IV.6   Promote the use of distance learning for professional development.

IV.7 Evaluate and continually improve the technology training curriculum and professional development program.

Measures:

- Number of teacher education graduates with appropriate technology skills.

- Number and quality of partnerships between higher education and school systems.

- Number and quality of regional centers, or other arrangements to provide training.

- Number of teachers and administrators trained in the use of technology and strategies for intergrating technology in the curriculum.

Goal V: Management Information System —Develop and implement a management information system to assist management of local school systems, improve communication between school systems and the State, and direct State policy-making and resource deployment.

Strategies:

V.1 Ensure the management information systems is equally beneficial to school systems and the State.

V.2 Develop and maintain a comprehensive student database.

V.3 Develop criteria and processes for validating and evaluating student data.

V.4 Use database information at the local level to identify student needs and improve learning.

V.5 Protect the security of information.

V.6 Develop a plan to provide each teacher with access to appropriate student and school information.

V.7   Increase funding for the management information system consistent with a need for technology strategies.

Measures:

- Number of school systems with information management systems in use.

- School system and State feedback.

- Number of teachers with access to the management information system.

- Increase in funding to maximize system effectiveness.

Goal VI: Broad-Based Involvement —Ensure broad-based involvement in the planning, development, implementation and evaluation of technology constituencies.

Strategies:

VI.1   Expand the State Board of Education Technology Advisory Group to include educational constituencies affected by technology.

VI.2   Request periodic progress reports, timelines, and updates form the State Department of Education.

VI.3   Charge the State Board of Education Technology Advisory Group with evaluation of the long-range plan over an extended period of time, and with responsibility to recommend improvements in the form of goals, strategies, assessment criteria and measures.

VI.4   Require school systems to submit a long-range technology plan, including desired results; provide State Department of Education staff assistance to school systems needing technical support.

VI.5   Develop guidelines for local systems regarding technology maintenance, upgrading, and security of information.

VI.6   Involve teachers in planning and evaluating various aspects of technology use including technology plans, hardware, software, Internet use and professional development.

Measures:

- Frequency and quality of progress reports.

- Evaluation findings and recommendations.

- Number and quality of long-range technology plans.

- Teacher feedback on planning, involvement and instructional uses of technology.